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TITLE : MOISTURE-PERMEATING WATER-PROOF FLOCKED FABRIC

ABSTRACT : PURPOSE: To obtain the titled flocked fabric having water-resistance and moisture-permeability higher than specific respective levels and having warmth- keeping effect, by forming a moisture-permeable water-proofing film on a flocked face and imparting the opposite face with water-repellency.

CONSTITUTION: A moisture-permeable water-proofing film such as porous polyurethane film is formed on one face of a base cloth. Flock fibers having water- absorptivity and length of 0.3-3mm are fixed to the surface of the film e.g. by flocking and the opposite face of the cloth is subjected to water-repellent processing e.g. with a fluorine-based repellent. The obtained moisture-permeable water-proof flocked fabric has a water resistance of $\geq 700\text{mmH}_2\text{O}/\text{cm}^2$ and a moisture-permeability of $\geq 1,500\text{g}/\text{m}^2.24\text{hr}$. Since the fabric has flock fibers, it has excellent warmth-keeping property and is suitable as an outer garment.

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